

FORM PTO-1449  
(REV.7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
200130.494/PP1581.003APPLICATION NO.  
09/678,159

RECEIVED

APR 20 2001

SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS  
Keting Chu and Changyu WangFILING DATE  
October 2, 2000GROUP ART UNIT  
1644

TEST CENTER 1600/290

## U.S. PATENT DOCUMENTS

EXAMINER PATENT TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
16	AA 6,051,228	04/18/00	Aruffo et al.	424	144.1	—
	AB					
	AC					
	AD					
	AE					
	AF					
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	AH					
	AI					
	AJ					

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
16	AK	WO 98/03670	01/29/98	WIPO	—	—
16	AL	WO 98/39026	09/11/98	WIPO	—	—
16	AM	WO 99/12566	03/18/99	WIPO	—	—
	AN					
	AO					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

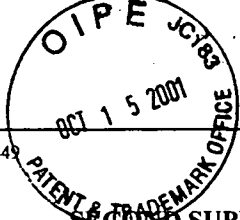
16	AP	Denfeld et al., "CD40 is functionally Expressed on Human Keratinocytes," <i>Eur. J. Immunol.</i> 26:2329-2334, 1996.
16	AQ	Inghirami et al., "Phenotypic and Functional Characterization of T-BAM (CD40 Ligand)+ T-Cell Non-Hodgkin's Lymphoma," <i>Blood</i> 84(3):866-872, August 1, 1994.
16	AR	Mauri et al., "Therapeutic Activity of Agonistic Monoclonal Antibodies Against CD40 in a Chronic Autoimmune Inflammatory Process," <i>Nature Medicine</i> 6(6):673-679, June 2000.

EXAMINER

PHILIP G. SMITH 7/18/01

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
200130.494/PP1581.003APPLICATION NO.  
09/678,159**SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANTS

Keting Chu and Changyu Wang

FILING DATE

October 2, 2000

GROUP ART UNIT

6644

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
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	AH						
	AI						
	AJ						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
AK	WO 99/42075	08/26/99	WIPO			
AL						
AM						
AN						
AO						

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	
AQ	
AR	

EXAMINER

Philip G. M. El 7/8/01

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Keting Chu and Changyu Wang

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
OK	AA	5,310,652	5/10/94	Gelfand et al.	435	6	—
	AB	5,407,800	4/18/95	Gelfand et al.	435	6	—
	AC	5,530,101	6/25/96	Queen et al.	530	387.3	—
	AD	5,585,089	12/17/96	Queen et al.	424	133.1	—
	AE	5,677,165	10/14/97	de Boer et al.	435	240.27	—
nr	AF	5,874,082	2/23/99	de Boer et al.	424	153.1	—
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AH					
	AI					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

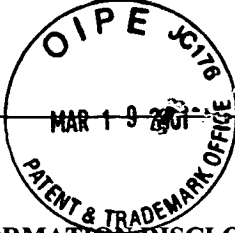
OK	AJ	Boehncke et al., "Psoriasiform architecture of murine epidermis overlying human psoriatic dermis transplanted onto SCID mice," <i>Arch. Dermatol. Res.</i> 286: 325-330, 1994.
	AK	Boehncke, Wolf-Henning, "Psoriasis and bacterial superantigens-formal or causal correlation?" <i>Trends in Microbiology</i> 4(12): 485-489, 1996.
	AL	Boehncke et al., "Pulling the trigger on psoriasis," <i>Nature</i> 379(6568): 777, 1996.
	AM	Chothia et al., "Canonical Structures for the Hypervariable Regions of Immunoglobulins," <i>Journal of Molecular Biology</i> 196: 901-917, 1987.
	AN	Datta et al., "CD40-CD40 Ligand Interaction In Autoimmune Disease," <i>Arthritis and Rheumatism</i> 40(10): 1735-1745, 1997.
	AO	Gilhar et al., "T-Lymphocyte Dependence of Psoriatic Pathology in Human Psoriatic Skin Grafted to SCID Mice," <i>Journal of Investigative Dermatology</i> 109(3): 283-288, 1997.
OK	AP	Jones et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <i>Nature</i> 321: 522-525, 1986.

EXAMINER

PHILIP G. SMOKE 7/18/01

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## U.S. PATENT DOCUMENTS

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	BA						
	BB						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	BC					
	BD					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RG	BE	Morrison et al., "Genetically Engineered Antibody Molecules," <i>Advances in Immunology</i> 44: 65-92, 1989.
	BF	Morrison et al., "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains," <i>Proceedings of the National Academy of Science, USA</i> 81: 6851-6855, 1984.
	BG	Myers et al., "Reverse Transcription and DNA Amplification by a <i>Thermus thermophilus</i> DNA Polymerase," <i>Biochemistry</i> 30(31): 7661-7672, 1991.
	BH	Nickoloff et al., "Severe Combined Immunodeficiency Mouse and Human Psoriatic Skin Chimeras," <i>American Journal of Pathology</i> 146(3): 580-588, 1995.
	BI	Padlan, Eduardo A., "Anatomy of the Antibody Molecule," <i>Molecular Immunology</i> 31(3): 169-217, 1994.
	BJ	Padlan, Eduardo A., "A Possible Procedure For Reducing The Immunogenicity Of Antibody Variable Domains While Preserving Their Ligand-Binding Properties," <i>Molecular Immunology</i> 28(4/5): 489-498, 1991.
	BK	Schön, Michael P., "Animal Models of Psoriasis-What Can We Learn from Them?" <i>Journal of Investigative Dermatology</i> 112(4): 405-410, 1999.
	BL	Torres et al., "Modulation of disease by superantigens," <i>Current Opinion in Immunology</i> 10: 465-470, 1998.
mu	BM	Valdimarsson et al., "Psoriasis: a T-cell-mediated autoimmune disease induced by streptococcal superantigens?" <i>Immunology Today</i> 16(3): 145-149, 1995.

EXAMINER

PHILIP KAMBER 7/18/02

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MAR 19 2001

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Keting Chu and Changyu Wang

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## U.S. PATENT DOCUMENTS

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	CA						
	CB						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	CC					
	CD					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CE	Van Kooten et al., "Functional Role of CD40 and Its Ligand," <i>Int. Arch. Allergy Immunol</i> 113: 393-399, 1997.
	CF	Verhoeven et al., "Reshaping Human Antibodies: Grafting an Antilysozyme Activity," <i>Science</i> 239: 1534-1536, 1988.
	CG	Wrone-Smith et al., "Dermal Injection of Immunocytes Induces Psoriasis," <i>Journal of Clinical Investigation</i> 98(8): 1878-1887, 1996.
	CH	
	CI	
	CJ	
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	CL	
	CM	
	CN	

EXAMINER

PHILLIP GAMDEL 7/18/02

DATE CONSIDERED

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